



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 2349-411:2007

ICS 49.060

**AEROSPACE SERIES - REQUIREMENTS AND
TEST PROCEDURES FOR RELAYS AND
CONTACTORS - PART 411: TEMPERATURE
CHANGE**

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English Version

Aerospace series - Requirements and test procedures for relays and contactors - Part 411: Temperature change

Série aérospatiale - Exigences et méthodes d'essais des
relais et contacteurs - Partie 411 : Variations de
température

Luft- und Raumfahrt - Anforderungen und Prüfverfahren für
Relais und Schaltschütze - Teil 411: Temperaturwechsel

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Foreword

This document (EN 2349-411:2007) has been prepared by the AeroSpace and Defense Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2007, and conflicting national standards shall be withdrawn at the latest by October 2007.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

EN 2349-411:2007 (E)

1 Scope

This standard specifies a method for checking the capability of relays and contactors to withstand temperature change. It shall be used together with EN 2349-100.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2349-100, *Aerospace series — Requirements and test procedures for relays and contactors — Part 100: General requirements* ¹⁾

EN 2349-201, *Aerospace series — Requirements and test procedures for relays and contactors — Part 201: Visual inspection*

EN 2349-301, *Aerospace series — Requirements and test procedures for relays and contactors — Part 301: Pick-up and drop-out voltage*

EN 2349-303, *Aerospace series — Requirements and test procedures for relays and contactors — Part 303: Dielectric strength*

EN 2349-304, *Aerospace series — Requirements and test procedures for relays and contactors — Part 304: Operate and release time*

EN 2349-305, *Aerospace series — Requirements and test procedures for relays and contactors — Part 305: Bounce time*

EN 2349-307, *Aerospace series — Requirements and test procedures for relays and contactors — Part 307: Contact voltage drop*

ISO 7137:1995, *Aircraft — Environmental conditions and test procedures for airborne equipment* ²⁾

3 Method

3.1 Mounting

The electrical connections shall be wired in accordance with the product standard.

3.2 Procedure

The relay or contactor shall be subjected to a temperature change test in accordance with ISO 7137.

Duration of the test: 48 h

4 Requirements

Test in accordance with EN 2349-201. The relay or contactor shall show no sign of overheating or distortion.

Test in accordance with EN 2349-301, EN 2349-303, EN 2349-304, EN 2349-305 and EN 2349-307.

¹⁾ In preparation at the date of publication of this standard.

²⁾ Endorsement of publications EUROCAE/ED-14 and RTCA/DO-160.

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